

**Amendments To the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1 Claim 1 (currently amended): A computer readable medium having stored therein computer  
2 readable program code for performing Bit Error Rate Testing (BERT) on a digital system, the  
3 digital system including a test equipment coupled to at least one transmission line for  
4 transferring digital information between the test equipment and a company office comprising  
5 instructions for performing the following steps:

6  
7 causing storage of a plurality of predetermined profiles, each profile having associated  
8 therewith at least one parameter for measuring the integrity of a test equipment or  
9 transmission lines, said at least one of the parameters including at least one [of] test pattern;

10 transmitting the predetermined profiles through the transmission lines automatically in  
11 a predetermined order thereby avoiding user interaction; and

12 receiving information responsive to the profiles through the transmission line,

13 wherein the received information is verified against the information included in the  
14 profiles for determining the integrity of the test equipment or the transmission lines.

1 Claim 2 (currently amended): A [method] computer readable medium as recited in claim 1  
2 wherein said profiles further include an error threshold parameter for setting the tolerance  
3 beyond which errors in the test equipment or transmission lines being tested are unacceptable.

1 Claim 3 (currently amended): A [method] computer readable medium as recited in claim 1  
2 wherein said profiles further include a test duration parameter for setting the time by which the  
3 BERT will be completed.

1 Claim 4 (currently amended): A [method] computer readable medium as recited in claim 1  
2 wherein said profiles are automatically provided to each of the transmission lines, the lines  
3 being tested together without awaiting completion of testing of a line prior to starting testing  
4 of another line.

1 Claim 5 (currently amended): A [method] computer readable medium as recited in claim 1  
2 wherein during said storing step, said profiles are stored in a RAM.

1 Claim 6 (currently amended): A [method] computer readable medium as recited in claim 1  
2 wherein said profiles are individual alterable by the user thereby providing customization of  
3 the BERT to fit the various characteristics of the test equipment or transmission lines  
4 undergoing testing.

1  
1 Claim 7 (currently amended): A [method] computer readable medium as recited in claim 1  
2 wherein said method is employed by an Internet Service Provider (ISP).

1 Claim 8 (original): A digital system for performing Bit Error Rate Testing (BERT)  
2 comprising:

3  
4 a test equipment coupled to at least one transmission line for transferring  
5 digital information between the test equipment and a company office;

6  
7 a bit error generator coupled to the transmission lines for generating test  
8 patterns;

9  
10 means for storing a plurality of predetermined profiles, each profile having  
11 associated therewith at least one parameter for measuring the integrity of the test  
12 equipment or the transmission lines, said at least one of the parameters including one  
13 of the generated test patterns, the predetermined profiles being automatically sent  
14 through the test equipment and the transmission lines in a predetermined order thereby

15           avoiding user interaction, said test equipment for receiving information responsive to  
16           the profiles sent through the transmission line,

17

18                   wherein the received information is verified against the information included in  
19           the profiles for determining the integrity of the test equipment or the transmission  
20           lines.

1    Claim 9 (original): A digital system as recited in claim 8 wherein said profiles further include  
2    an error threshold parameter for setting the tolerance beyond which errors in the test  
3    equipment or transmission lines being tested are unacceptable.

1    Claim 10 (original): A digital system as recited in claim 8 wherein said profiles further  
2    include a test duration parameter for setting the time by which the BERT will be completed.

3

1    Claim 11 (currently amended): A digital system as recited in claim 8 wherein said profiles are  
2    automatically provided to each of the transmission lines, the lines being tested together  
3    without awaiting completion of testing of a line prior to starting testing of another line.

1    Claim 12 (currently amended): A digital system as recited in claim 8 wherein during said  
2    storing step, said profiles are stored in a RAM.